

DEPARTMENT OF THE ARMY
Omaha District, Corps of Engineers
106 South 15th Street
Omaha, Nebraska 68102-1618

:NOTICE: Failure to acknowledge :
:all amendments may cause rejec- :
:tion of the offer. See FAR :
:52.215-1 of Section 00100 :

Solicitation No. W9128F 04 R 0024

Date of Issue: 08 JUN 2004

Date of Receiving Proposals:
13 JUL 2004

Amendment No. 0005

09 July 2004

SUBJECT: Amendment No. 0005 to specifications and drawings for Construction of
B-1B WEAPONS SYSTEMS TRAINER, FXBM 02-3002, ELLSWORTH AFB, SOUTH
DAKOTA.
Solicitation No. W9128F 04 R 0024.

TO: Prospective Offerors and Others Concerned

1. The specifications and drawings for subject project are hereby modified as follows (revise all specification indices, attachment lists, and drawing indices accordingly).

a. Specifications. (Descriptive Changes.)

(1) Section 00800, Page 16, following paragraph 1.34, add:

"1.35 QUALIFICATIONS AND EXPERIENCE OF KEY CONSTRUCTION PERSONNEL

The Qualifications and Experience of Key Construction Personnel shall be as submitted per the requirements of Section 00110 PROPOSAL SUBMISSION REQUIREMENTS, INSTRUCTIONS AND EVALUATION. If, because of reasons beyond the control of the construction firm, the named individuals are not able to fulfill this obligation, replacement personnel with similar skills and experience shall be presented for acceptance by the Contracting Officer. The Contractor shall obtain the Contracting Officer's written consent before making any substitution for these designated personnel."

b. Specifications (New and/or Revised and Reissued). Delete and substitute or add specification pages or sections as noted below. The substituted pages or sections are revised and reissued with this amendment.

Pages or Sections Deleted

Pages or Sections Substituted or Added

Section 10100A

Section 10100A

c. Drawings (Not Reissued). The following sheets of drawing code AF 171-10-01 are revised as indicated below with latest revision date of 9 July 2004. These drawings are not reissued with this amendment.

(1) Sheet G4.01, near drawing coordinate D-2, to descriptions for CCTV monitor symbol and CCTV camera symbol, add:

'PROVIDE 3/4-INCH EMPTY CONDUIT WITH PULLWIRE FROM EACH OUTLET TO NEAREST "BLACK" CABLE TRAY FOR GOVERNMENT PROVIDED CCTV CABLES.'

(2) Sheets i2.01 and i2.02, add the following General Note to these sheets:

'GENERAL NOTES:

1. CONTRACTOR SHALL INCLUDE, IN PARTIAL RESPONSE TO BID OPTION 4, COST TO RELOCATE EQUIPMENT SHOWN ON THIS PLAN AS "EXISTING".'

2. This amendment is a part of the proposing papers and its receipt shall be acknowledged on the Standard Form 1442. All other conditions and requirements of the specifications remain unchanged. If the proposals have been mailed prior to receiving this amendment, you will notify the office where proposals are received, in the specified manner, immediately of its receipt and of any changes in your proposal occasioned thereby.

a. Hand-Carried Proposals shall be delivered to the U.S. Army Corps of Engineers, Omaha District, Contracting Division (Room 301), 106 South 15th Street, Omaha, Nebraska 68102-1618.

b. Mailed Proposals shall be addressed as noted in Item 8 on Page 00010-1 of Standard Form 1442.

3. Offers will be received until 2:00 p.m., local time at place of receiving proposals, 13 JUL 2004.

U.S. Army Engineer District, Omaha
Corps of Engineers
106 South 15th Street
Omaha, Nebraska 68102-1618

9 July 2004
DRL/4547

SECTION TABLE OF CONTENTS

DIVISION 10 - SPECIALTIES

SECTION 10100A

VISUAL COMMUNICATIONS SPECIALTIES

07/02

PART 1 GENERAL

- 1.1 REFERENCES
- 1.2 GENERAL REQUIREMENTS
- 1.3 SUBMITTALS
- 1.4 DELIVERY, STORAGE AND HANDLING
- 1.5 WARRANTY

PART 2 PRODUCTS

- 2.1 COLOR
- 2.2 MATERIALS
 - 2.2.1 Visual Display Boards
 - 2.2.1.1 Flexible Dry-Erase Surface
 - 2.2.1.2 Aluminum
 - 2.2.2 Interactive Whiteboard
 - 2.2.2.1 Screen Surface
 - 2.2.2.2 Frame Finish
 - 2.2.2.3 Electrical Requirements
 - 2.2.2.4 Standard of Quality
- 2.3 FLEXIBLE DRY-ERASE WRITING SURFACE
- 2.4 PROJECTION SCREEN

PART 3 EXECUTION

- 3.1 INSTALLATION
- 3.2 CLEANING

-- End of Section Table of Contents --

SECTION 10100A

VISUAL COMMUNICATIONS SPECIALTIES

07/02

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

ASTM INTERNATIONAL (ASTM)

ASTM B 221	(2002) Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes
------------	---

1.2 GENERAL REQUIREMENTS

The term visual display board when used herein includes flexible dry-erase writing surface. Visual display boards shall be from manufacturer's standard product line.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-03 Product Data

Visual Display Boards; G-AE
Interactive Whiteboards; G-AE

Manufacturer's descriptive data and catalog cuts.
Manufacturer's installation instructions, and cleaning and
maintenance instructions.

SD-04 Samples

Aluminum; G-AE

Sections of frame, and chalktray.

Flexible Dry-Erase Surface

Section of material showing the lamination of vinyl wall
covering. Samples shall be minimum 8 by 8 inches and show range
of color.

SD-07 Certificates

Interactive Whiteboard
Visual Display Boards

Certificate of compliance signed by Contractor attesting that visual display boards and interactive whiteboards conform to the requirements specified.

1.4 DELIVERY, STORAGE AND HANDLING

Materials shall be delivered to the building site in the manufacturer's original unopened containers and shall be stored in a clean dry area with temperature maintained above 50 degrees F. Materials shall be stacked according to manufacturer's recommendations. Visual display boards shall be allowed to acclimate to the building temperature for 24 hours prior to installation.

1.5 WARRANTY

Visual Display Boards - Manufacturer's standard performance guarantees or warranties that extend beyond a one year period shall be provided.

Interactive White Boards - Two year limited equipment warranty with additional 3 years free of charge upon registration.

PART 2 PRODUCTS

2.1 COLOR

Finish colors for required items shall be as specified in Section 09915 COLOR SCHEDULE.

2.2 MATERIALS

2.2.1 Visual Display Boards

2.2.1.1 Flexible Dry-Erase Surface

Dry-erase writing surface shall meet the requirements for a Type II wall covering specification. It shall be 23 mil thick, meet 160 x 160 tensile strength and 82 x 89 tear strength. It shall be available in widths as required and of unlimited length to provide a seamless writing surface, Class "A" fire rated, cadmium and mercury free, and shall not contain nor degrade to perfluorooctanic acid (PFOA). Surface must be easily cleanable and resistant to staining.

2.2.1.2 Aluminum

Aluminum frame extrusions shall be alloy 6063-T5 or 6063-T6, conform to ASTM B 221, and be a minimum 0.06 inches thick. Exposed aluminum shall have an anodized, satin finish. Straight, single lengths shall be used wherever possible. Joints shall be kept to a minimum.

2.2.2 Interactive Whiteboard

2.2.2.1 Screen Surface

Screen Surface shall be extremely durable hardcoat polyester surface that reduces reflection and glare with touch resolution 2000 x 2000 or better.

The digitizing technology shall be two resistive sheets separated by an air gap.

2.2.2.2 Frame Finish

Frame finish shall be a textured, graphite-gray plastic surface.

2.2.2.3 Electrical Requirements

A 21.5 USB/Serial/Power adaptor cable shall be included. Optical sensors in the pen tray shall detect when a stylus or eraser is lifted from the tray. LED's shall show the active tool. Pen tray tools shall include: styluses in black, blue, red, and green; round eraser. Power shall be obtained from the computer directly through the USB adaptor cable for both Windows and Macintosh computers. Power consumption shall be less than 5 watts. Wall-mounting bracket shall be included.

2.2.2.4 Standard of Quality

Standard of quality: SMART Technologies Inc.
GSA Contract: GS-OOF-0013M

Interactive Whiteboards

Type: small (Model 560)

Size: 50 1/2" w x 41" h x 5 3/4" d

Active screen area: 48" w x 36"h, 60" diagonal

Type: large (Model 580)

Size: 60"w x 48 1/4"h x 5 3/4"d

Active screen area: 65" w x 43" h, 72" diagonal

Floor stand must be available for either model.

Both include SMART Board software and Notebook software.

Software upgrades at no charge must apply.

2.3 FLEXIBLE DRY-ERASE WRITING SURFACE

Dry erase writing surface shall be field installed with a flexible dry erase writing surface, snap-on aluminum trim and tray. Writing surface shall be installed horizontally, without seams. Trim shall be cut to length, without joints, and installed along top and side edges. Tray shall extend along full length of bottom edge. Dry-erase markings shall be removable with a felt eraser or dry cloth without ghosting. Each unit shall come complete with an eraser and four different color compatible dry-erase markers. The size shall be as shown on the drawings.

2.4 PROJECTION SCREEN

Recessed ceiling mount motorized projection screen shall have 120V motor that is lubricated for life, quick reversal type, has overload protector, integral gears, and preset accessible limit switches. Recessed mount projection screens shall have an operable closure door and access panel. Screen shall be flame retardant, mildew resistant, and white matte with black masking borders. Bottom of screen fabric shall be weighted with metal rod. Roller shall be a rigid metal at least 3 inches in diameter mounted on sound absorbing supports. Motor will be motor-in-roller design. Screen shall have a 3 position control switch to stop or reverse screen at

any point. The switch shall be installed in a flush electrical box with cover plate, location(s) as shown on the electrical drawings. All conduit and wiring from the control switch to the projection screen shall be furnished and installed by the Contractor. Ceiling recessed case shall be extruded aluminum. Screen shall be UL listed. The size of all screens shall be 8 feet wide by 8 feet high in locations shown on drawings.

PART 3 EXECUTION

3.1 INSTALLATION

Installation and assembly shall be in accordance with manufacturer's printed instructions. Concealed fasteners shall be used. ~~ItemsVisual display boards~~ shall be attached to the walls with suitable devices to anchor each unit. The Contractor shall furnish and install trim items, accessories and miscellaneous items in total, including but not limited to hardware, grounds, clips, backing materials, adhesives, brackets, and anchorages incidental to or necessary for a sound, secure, complete and finished installation. Installation shall not be initiated until completion of room painting and finishing operations. ~~ItemsVisual display boards~~ shall be installed in locations and at mounting heights indicated. ~~ItemsVisual display boards~~ shall be installed level and plumb, and if applicable doors shall be aligned and hardware shall be adjusted. Damaged materials shall be repaired or replaced by the Contractor as directed by the Contracting Officer.

3.2 CLEANING

Writing surfaces shall be cleaned in accordance with manufacturer's instructions. Projection screens and exposed housing surfaces shall be cleaned in accordance with manufacturer's instructions.

-- End of Section --